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Application No.	Applicant(s)	
10/064,000	KAMATH ET AL.	
Examiner	Art Unit	
Nihir Patel	3743	
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DETAILED ACTION

Reason for Allowance

The following is an examiner's statement of reasons for allowance: Claims 2 through 6 and 8 through 10 (re-numbered claims 1 through 8) of application number 10/064,000 are allowable over the prior art of record in that the apparatus comprises a heat generating component; a heat conducting base plate thermally coupled to the heat generating component; a plurality of heat conducting pin-fins, each of the pin-fins having a free end and an attachment end, the attachment end of each of the pin-fins being attached to the base plate, each of the pin-fins having an intake opening wherein the intake opening is oriented to admit cooling fluid moving in a first direction substantially parallel to the base plate, each of the pin-fins having a discharge opening for discharging cooling fluid, each of the pin-fins having a tubular channel extending from the intake opening to the discharge opening; wherein the discharge opening of each of the pin-fins is oriented to discharge cooling fluid in the first direction plus or minus 90 degrees; and a pump system for moving cooling fluid in the first direction substantially parallel to the base plate such that cooling fluid moves over the exterior surface and through the tubular channel of each of the pin-fins.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nihir Patel whose telephone number is (703) 306-3463. The examiner can normally be reached on 7:30 to 4:30 every other Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Bennett can be reached on 703-308-0101. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NP August 3rd, 2004

Henry Bennett